CENTRALIZED SYSTEMS

AgSTAR National Conference:
Anaerobic Digestion for Livestock Waste Management
and Energy Production

Richard Mattocks ENVIRONOMICS

The Millennium Hotel St. Louis, Missouri March 24-25, 2004

EXPERIENCES

- Putting a system together
- Building a system
- Operating a system

EXPERIENCES

- MEAD Tillamook, Oregon
- 5 Formal Centralized Digester Studies
- Chino, Inland Empire

TAKE HOME MESSAGE

• Don't be surprised how things turn out.

Be informed in formulating your expectations.
 and the likelihood of achieving your expectations.

EXPERIENCE SAYS:

PAY ATTENTION TO:

KEY FEATURES

KEY!! FEATURES:

"FATAL FLAWS"

SHOW STOPPERS

THE VERY FIRST STEP

PERFORM A

"FIRST CUT" ASSESSMENTS OF FEASIBILITY

BASIC CONCEPT

Functional System Components

ORGANIC WASTES ARE:

- Produced
- Collected
- Transported
- Treated
- •Benefits derived

To Achieve Goals, System Must be:

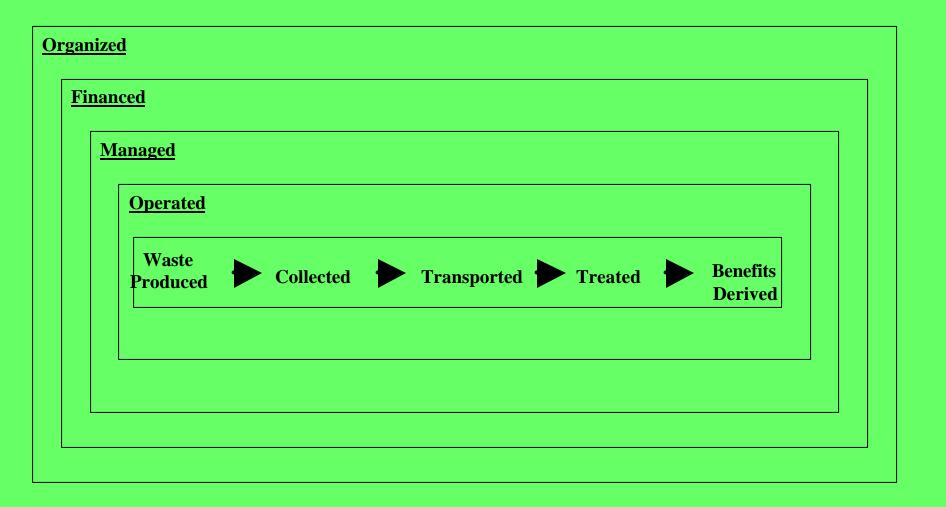
Operated

Managed

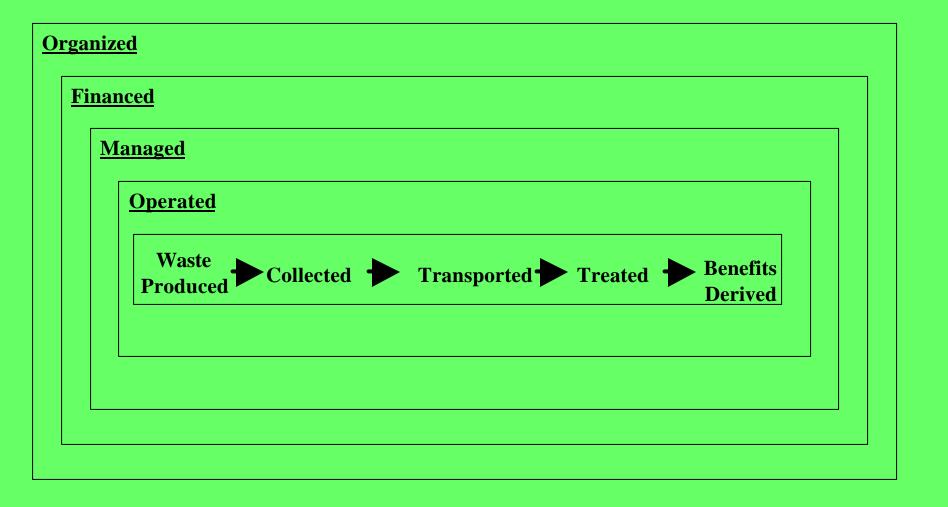
Financed

Organized

PROJECT DEVELOPMENT MODEL



PROJECT DEVELOPMENT MODEL



...and remember.....

THERE MAY BE

MANY A SLIP
'TWIXT CUP AND LIP

REVIEW ORGANIZATIONAL ISSUES

- Driver-Project Motivation
- Point person
- Lead Organization
- Competent Specialized Assistance

REVIEW

PRODUCTION.....COLLECTION

TREATMENT...BENEFITS
Potential "Fatal Flaw": Unless the organic waste is within a reasonable trucking distance, don't bother with the project.



FINANCIAL

- Industry Future
- Marketing-Proximity to Population Center
- Reasonable Cost Expectations
- Reasonable Income Expectations

PASS MUSTER?

MOVE FORWARD

TAKE HOME MESSAGE

• Don't be surprised how things turn out.

LESSON FROM EXPERIENCE:

• BE AN INFORMED BUYER

 KNOW AND UNDERSTAND COMPLEXITIES INVOLVED

DO YOUR HOMEWORK

RESOURCES AVAILABLE

AURI (Agricultural Utilization and Research Institute) "Self Assessment Checklists"

waste2profits.com

